

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 08029695 A

(43) Date of publication of application: 02 . 02 . 96

(51) Int. Cl

G02B 21/24

(21) Application number: 06167804

(22) Date of filing: 20 . 07 . 94

(71) Applicant: MATSUSHITA ELECTRIC IND CO LTD

(72) Inventor: SETO TETSUO
KANEDA YOSHIO
NAGANUMA SOICHI
UMEDA MASAYUKI

(54) REVOLVER TYPE MICROSCOPE AND ROTARY POSITIONING DEVICE

COPYRIGHT: (C)1996,JPO

(57) Abstract:

PURPOSE: To enhance positioning accuracy and to improve durability by providing a stepping motor rotating a revolver and setting the phase origin of the stepping motor as a positioning position.

CONSTITUTION: The revolver 4 is supported to freely rotate around a fixed shaft center and disposed so that an optional objective lens 5 may pass a position aligned with the optical axis of a lens barrel 3. The stepping motor 6 drives and rotates the revolver 4 around the shaft center and positions and stops it at a specified position. The stop position of the motor 6 is set so that the optical axes of the optional objective lens 5 and the lens barrel 3 may be aligned at the stop position of the revolver 4. The stop position of the motor 6 is set to the phase origin of the motor 6. A controller 8 is provided with a switching control part 9 switching the objective lens, whereby a microstep driver 10 is controlled by the control part 9 and the motor 6 is driven by the driver 10.

